



User's Guide

*For Windows® 95,
Windows® 3.1
and DOS*

Logitech™ *Mouse and Trackball*

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Connecting Your Mouse or Trackball*

Congratulations on your purchase of a Logitech™ pointing device and MouseWare® software, which lets you customize your Logitech mouse or trackball.

Your Logitech pointing device gives you uncompromising comfort, quality, and superior software. Ease of use and innovative design make a Logitech pointing device the ideal solution for those who need a durable mouse or trackball for their computer. For more than a decade, Logitech has been making pointing devices of unparalleled quality and performance.

If you use the PS/2 or serial port (COM1, COM2, etc.) to connect your pointing device to the computer, follow the steps below.

If you have a *MouseMan*® Bus mouse, skip this section and turn to "MouseMan Bus" on page 12.

If you have either *MouseMan*® Cordless™ or *TrackMan*® Live!™, turn to page 17 for installation instructions.

To connect your mouse or trackball

1. Turn off the computer if you are connecting your pointing device to the PS/2 (mouse) port.



6-pin PS/2
mouse port

2. Connect your pointing device to the computer's PS/2-type 6-pin mouse port, or its 9- or 25-pin serial port. Some devices include a 9-pin adaptor in the package. (If you need one, you can obtain a 25-pin adapter from Logitech Customer Relations.) Check the box to verify the ports that your device supports.



9-pin
serial port



25-pin
serial port

To use an adaptor, plug the device cable into the appropriate adaptor, then plug the adaptor into the computer.

3. Turn on the computer if you are connecting your pointing device to the PS/2 (mouse) port. At this point your device may work with your computer, but you must install MouseWare to obtain all the pointing device features included in your package.

* If you have *MouseMan* Bus, skip this section and turn to page 12 for installation instructions. If you have either *MouseMan* Cordless or *TrackMan* Live!, turn to page 17.

Installing the MouseWare® Software

Whether you have a Logitech mouse, trackball, or cordless device, the MouseWare software makes it possible for you to customize your pointing device to suit your individual needs.

This section tells you how to install MouseWare on your computer. You can install MouseWare from Windows® 95, Windows® 3.1, or DOS. Installing under Windows® 3.1 sets up the DOS Control Center automatically.

Refer to the ReadMe file when you finish installing the software.

To install from Windows® 95

1. Start Windows 95 and insert the software diskette into drive A or B.
2. Press Start on the Taskbar and select Run.
3. From the Run dialog box, select (or type) A:\SETUP or B:\SETUP and click OK.
4. Follow the on-screen instructions.

To install from Windows® 3.1

1. Start Windows and insert the software diskette into drive A or B.
2. Open the File menu and choose the Run command. Windows displays the Run dialog box.
3. In the Command Line text box, type: A:\SETUP (or B:\SETUP) and click OK. The Installation dialog box is displayed.
4. Click the Install command button and follow the on-screen instructions.

To install from DOS

1. Insert the software diskette into drive A or B.
2. At the DOS prompt type A:\SETUP or B:\SETUP and press the Enter key. The Installation dialog box is displayed.
3. **Follow the on-screen instructions.** The software installation for DOS checks to see whether Windows is installed on the system. If Windows is present, the software loads and opens Windows automatically.

Using the MouseWare® Software

This section describes how to use MouseWare with Windows 95, Windows 3.1, and DOS for your mouse or trackball.

Windows 95 Mouse Control Panel

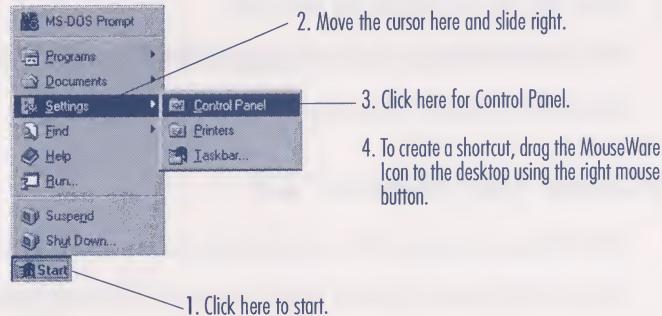
MouseWare and the Mouse Control Panel are fully compliant with Windows 95.

To display the Windows 95 Mouse Control Panel

1. Double-click the MouseWare icon located in the Windows 95 Control Panel.

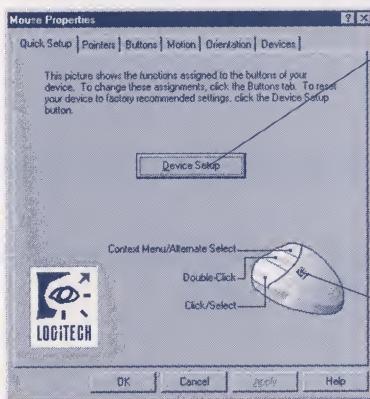


Mouse



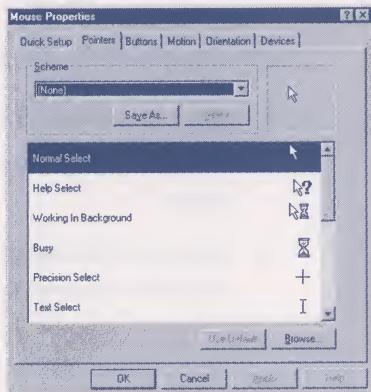
2. Choose from the available options to configure your pointing device.

Choose this page to set up your device.



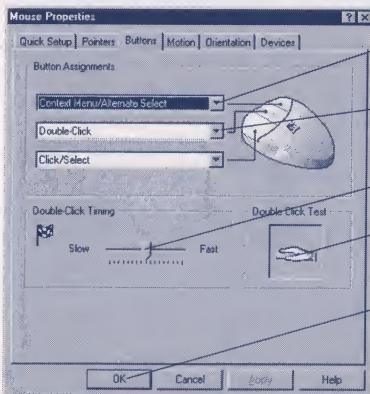
1. Click here for the Device Setup Wizard.
2. Follow the on-screen instructions.
3. For context sensitive help, place the cursor on a dialog box object and click the right mouse button.
4. A picture of your mouse or trackball appears here.

Choose this page to select a pointer shape.



Windows 95 Mouse Control Panel (Cont.)

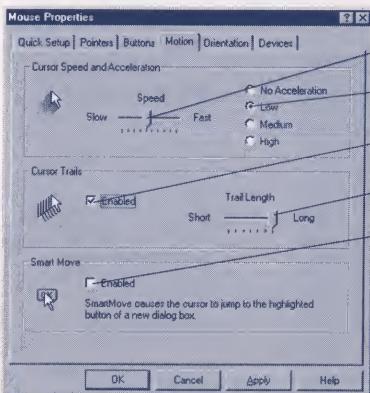
Choose this page to make button assignments.



1. Assign a function to the secondary button.
2. Assign a function to the third button.
3. Set double-click speed.
4. Double-click here to test your device.
5. Click OK.

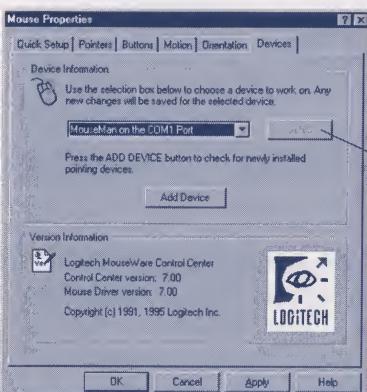
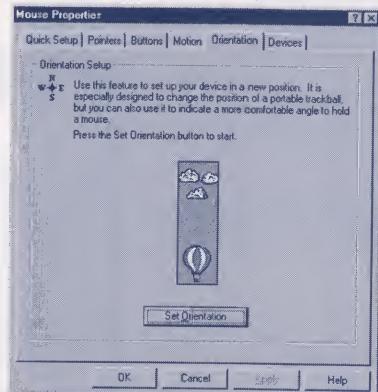


Choose this page to modify cursor movement.



1. Select cursor speed.
2. Select acceleration.
3. Enable cursor trails.
4. Specify trail length.
5. Enable Smart Move™.

Use this page to set the orientation of your device on your desktop or wherever you use your device.



Choose this page to add another pointing device and to get device information.

Click here to setup your cordless device and follow the on-screen instructions.

WARNING



Do not plug or unplug a device to the PS/2 port (mouse port) while the computer is running because the PS/2 port or the computer could be damaged. Turn the computer off first before plugging or unplugging a device to the PS/2 port.

Mouse Control Center for Windows 3.1

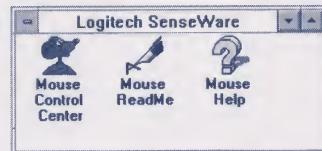
The Mouse Control Center for Windows operates like other Windows-based applications. It uses the standard Windows rules for selecting icons, menu commands, and dialog-box options.

To display the Mouse Control Center

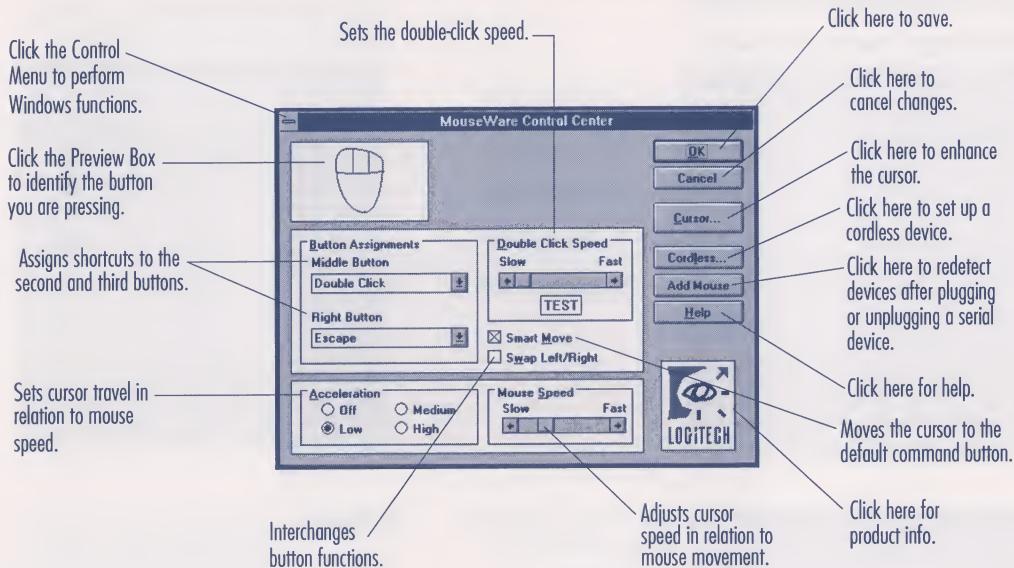


1. Double-click the MouseWare icon located in the Logitech SenseWare® group window (unless you have installed it in a different program group).

Note In Windows 3.1 and later, you can also find the MouseWare icon in the Windows Control Panel.



2. Choose from the available options to configure your device.



The Preview Box shows a picture of the device you are using.

When plugging or unplugging serial devices to your computer, use the Add Mouse button to detect the devices on the system so you will not have to restart Windows.



WARNING Do not plug or unplug a device to the PS/2 port (mouse port) while the computer is running because the PS/2 port or the computer could be damaged. Turn the computer off first before plugging or unplugging a device to the PS/2 port.

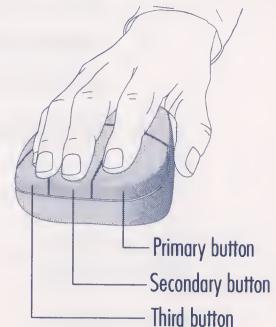
Mouse Control Center for Windows 3.1: Button Assignments

MouseWare allows you to assign functions to the secondary button and third button and replaces frequently used tasks, such as double click, drag lock, etc., to a single button click. Most applications use the primary button to make the "standard" click.

To make a button assignment

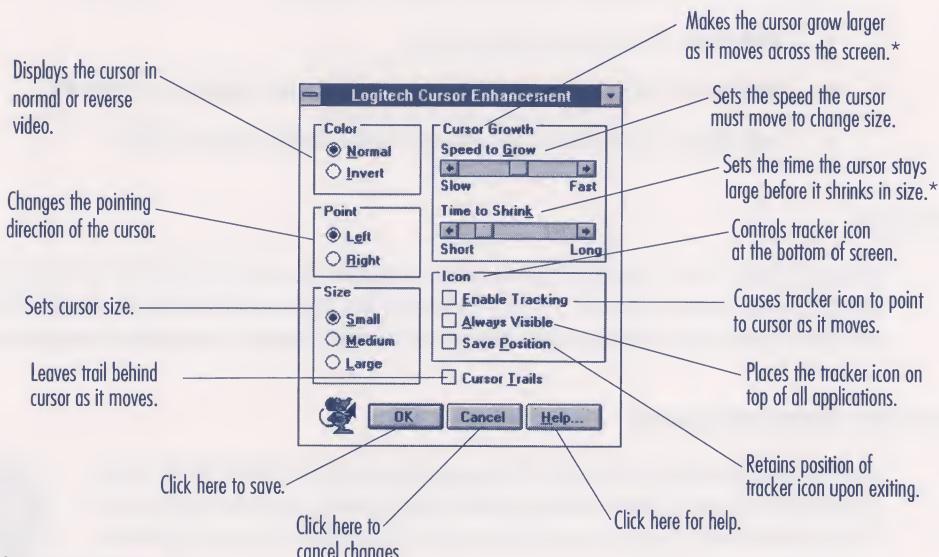
- 1. Display button assignments.** In the Button Assignments area of the Mouse Control Center, click the drop down box arrow of the button to which you want to assign a function. Your selection is highlighted in the Preview Box and a list of functions is displayed.
- 2. Choose a function from the list by clicking it.** Use the scroll bar to see other functions not displayed. The function you have selected is displayed and highlighted.
- 3. After you finish making button assignments, click OK to record your choices.**

Note To override a button assignment temporarily so you can use an application-specific feature, press the Control key while clicking the button to be overridden.



Mouse Control Center for Windows 3.1: Cursor Enhancement

Use the Cursor Enhancement dialog box to customize the cursor. To display the dialog box, click the Cursor button in the Mouse Control Center.



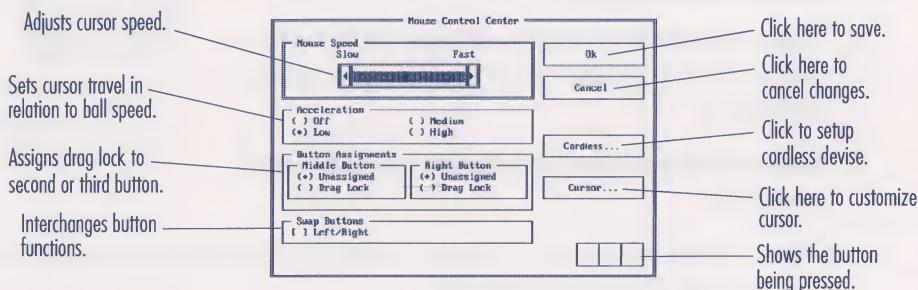
* Disabled if Size is set to "Large."

DOS Mouse Control Center

Many Windows 3.1 Mouse Control Center options described in the previous pages are also available in DOS.

To open the DOS Mouse Control Center

1. From the DOS prompt, type **C:\MOUSE\MOUSECC** and press **Enter**. C:\MOUSE is the directory in which you installed Enhanced MouseWare.
2. Choose from the available options to configure the mouse.



To enhance the cursor

1. Click the **Cursor** button on the DOS Control Center. A dialog box is displayed.
2. Choose from the available options to customize the cursor:
 - **Blink.** Makes the cursor blink either fast or slow.
 - **Trail.** Leaves a trail behind the cursor as it moves across the screen. Available in text mode only.
 - **Lock Shape.** Fixes the shape of the cursor and surrounds it with a reverse-video block.

Mouse Driver File

Both the DOS and Windows mouse drivers share a common configuration file called MOUSEDRV.INI. This file stores all the settings for mouse options. See the MOUSEDRV.TXT file for information about the MOUSEDRV.INI file. The MOUSEDRV.TXT file also describes special options for laptop and notebook users and how they can use the command line to change mouse options.

DOS Mouse Driver Memory Management

When you install MouseWare on your system, it automatically installs Cloaking, which loads the Logitech mouse driver into extended memory. Cloaking minimizes disruptions to the system that typically occur as a result of conventional and upper memory limitations. Refer to the README file for more information about Cloaking.



MouseMan®

With its remarkable design, MouseMan delivers superior comfort and a good fit. Wider at the top and narrower at the bottom, it nestles in your palm. The gentle rise gives you maximum support, and a unique thumb indentation increases your control and ease of use.

With its three buttons and the MouseWare software, MouseMan makes it possible to assign repetitive tasks, such as double click, to a single button press. There are other one-click shortcuts too. If you prefer, you can assign cut, paste, page up, or page down to one click of the middle or right mouse button. It's simple. Just open the Mouse Control Center and select the commands you want to use.

MouseWare also lets you easily personalize the cursor size, color, sensitivity, and other behaviors to best meet your needs. Use special Mouse Trails and Tracker options to more conveniently follow and find your cursor in any application, a handy feature for the liquid crystal displays of notebook computers.

The Smart Move™ feature lets you get more done without having to move your mouse. Pull down a menu, select a command, and Smart Move automatically places the cursor on the default button that you use most often. For example, if you select Print from the File menu, when the Print dialog box comes up, Smart Move has already placed the cursor on the OK button.

MouseMan® Bus

MouseMan Bus gives you all the same features of Logitech's MouseMan with one additional benefit: it comes with its own bus board so you don't have to use one of your computer's existing COM ports.

There are up to three steps to installing the MouseMan Bus hardware. The first two are required, while the last is optional depending upon whether your operating system is "plug-and-play" ready, such as Windows 95.

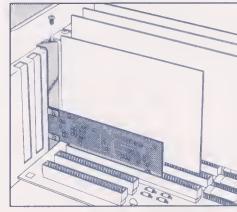
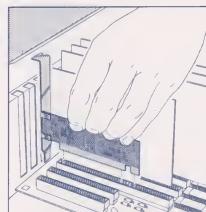
When installing MouseMan Bus hardware, you first install the bus board inside the computer, then you plug the mouse into the board. Next, you configure the mouse when you install the MouseWare software. There are no jumpers to set on the board.

In this context, "configuring" means to specify how the computer will address (find) the mouse on the system bus (the computer's communication highway) and what interrupt request (IRQ) ID will be assigned to the mouse. An IRQ is a line of communication between the computer's central processing unit (CPU) and a hardware device, such as MouseMan Bus.

If your operating system is plug-and-play ready, this last step is done automatically. Even if your system is not plug-and-play, most likely you will not have to specify an address or an IRQ for MouseMan Bus because MouseWare will determine these settings for you.

To install the bus board and to connect the mouse

- 1. Turn off the computer.**
- 2. Remove the computer's cover.**
- 3. Find a free expansion slot inside the computer.** If you are not sure which slot to use, see your computer manual. Use either an 8-bit or 16-bit slot. (The 16-bit slot will give you more IRQ options.)
- 4. Carefully remove the bus board from its antistatic packaging.** Before handling the board, touch a grounded object.
- 5. Insert the bus board into the computer.** Make sure that you have firmly seated the gold-striped bottom edge of the bus board into the expansion slot.



MouseMan® Bus (Cont.)

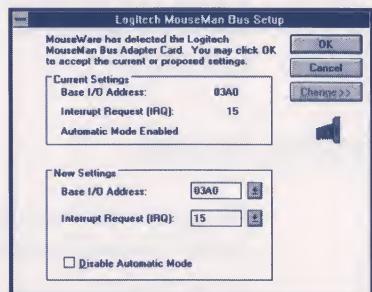
6. **Fasten the bus board.** Use the screw that you removed from the expansion slot cover to fasten the bus board to the computer.
7. **Plug the mouse cable into the bus board.** Line up the pins on the connector with the holes on the port, and gently press the connector into place until it is fully seated.
8. **Replace the computer cover and turn on the computer.**

To configure MouseMan Bus

1. **MouseWare detects the bus card.** During software installation, see next section, MouseWare detects the MouseMan Bus Adapter Card and displays the dialog box shown right.
2. **Accept the current settings.** In nearly all cases, you simply click OK to continue. MouseWare uses the base I/O address and IRQ settings listed.
3. **(Optional) Change the current settings.** If you believe the current settings will cause a system conflict or your pointing device is not working properly, select Change. The dialog box expands allowing you to modify the settings.

Enter a new base I/O address and IRQ using the drop-down list boxes provided, then select OK.

Note Refer to the ReadMe file for information about disabling MouseWare's Automatic Detection mode.



TrackMan® Voyager™ and TrackMan® Portable™

TrackMan Voyager

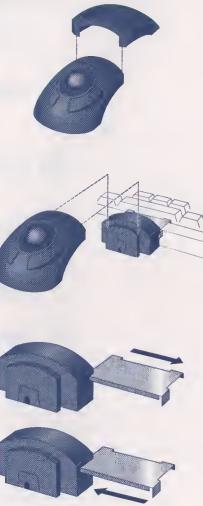
Thoughtful touches to its hardware design make TrackMan® Voyager™ very convenient for travel. For example, to keep the cord neatly in place, wrap it around TrackMan Voyager and tuck the end into the notched indent on Voyager's back.

Use the cover to protect TrackMan Voyager when traveling, or as a support for your hand while working. When you place the cover over TrackMan Voyager, it latches into place. To remove the cover, pull straight up to disengage it.

When using a notebook computer on your desk or in your docking station, simply place TrackMan Voyager in the desired spot. It has rubber feet to keep it in place.

In circumstances that require affixing TrackMan Voyager to your keyboard, clip the attachment device to the keyboard and slip TrackMan Voyager over the end of the attachment device.

Adjust the size of the attachment device. Press the overpiece out of the slot marked "M." Push it into the appropriate slot: "S" is for narrow, "L" is for large, and "XL" is for the largest keyboard edges.



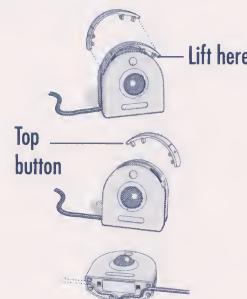
TrackMan Portable

This innovative trackball gives you high performance, comfort, and dependability on the road and in the office. TrackMan® Portable™ is the perfect answer for both portable and desktop use, with a revolutionary shape that fits the shape of your hand.

TrackMan Portable is designed to work the way you do. It easily attaches to either side of a portable keyboard for right- or left-hand use. Detach it and hold it in your hand. Or you can use it on a desktop or any other flat surface. Your thumb rotates the trackball for maximum precision in any space.

To configure the TrackMan Portable for left-hand use

1. Lift the top button out of its slot using the notch.
2. Reverse the top button and replace it.
3. Carefully pull the cable from the channel.
4. Reroute and press the cable into the opposite channel.



TrackMan® Portable™ (Cont.)

To attach TrackMan Portable to the keyboard

1. Press the button on the attachment device to extend its opening, and place the device on either the left or right side of the keyboard.
2. Gently press TrackMan Portable down on the attachment device.
3. To remove TrackMan Portable, gently bend it back until it disengages from the attachment device.



Quick Setup for Portable Trackballs with Windows 3.1

When you launch Windows 3.1 for the first time after installing MouseWare, you will see the Quick Setup dialog box for portable trackballs. Quick Setup allows you to customize the position of your trackball (which direction is UP) and select the primary trackball button—the one used for “clicking.” Selecting the primary button is especially useful for setting up the trackball for left-hand operation.

Note To install multiple devices, especially if you use a portable computer, see the MouseWare online help for further instructions.

To specify orientation

1. Place TrackMan on the desktop in the position you prefer.
2. Click the Set Orientation button. Alternatively press the “0” key.
3. Move the balloon up according to the on-screen instructions.

To specify the primary button

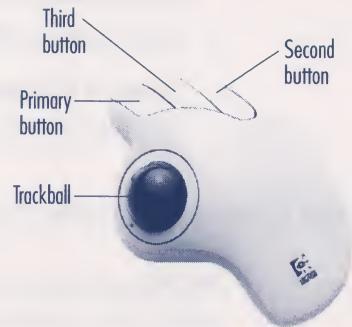
1. Click Set Buttons. Alternatively press the “B” key.
2. Follow the on-screen instructions. Assign the primary and secondary buttons.

TrackMan® Marble™ and TrackMan® Vista™

TrackMan Marble

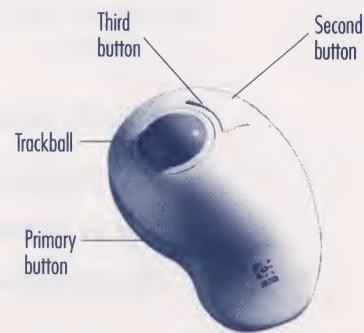
TrackMan® Marble™ takes trackball reliability, precision, and performance to a new level. Using Logitech's Marble™ sensing technology, TrackMan Marble provides smooth tracking, exceptional reliability, and superior precision in a trackball that is so dirt resistant it does not require regular cleaning.

Logitech's Marble sensing technology replaces all moving parts that record motion with an electronic tracking system. A laser-like beam illuminates dots printed on the ball, while a sensor tracks the motion. This tracking system gives you precision, reduces wear, and ensures smooth tracking even if the ball gets dirty or scratched. TrackMan Marble's thumb-operated ball provides easy and accurate cursor control. And TrackMan Marble's sleek, comfortable shape is designed to fit and support your hand.



TrackMan Vista

Its innovative shape is rounded and slopes gently to support your hand and wrist. Hand motion is minimized. It takes just one finger to rotate the trackball. Your other fingers are free to use the two top buttons or the side thumb button without causing any accidental cursor movement. TrackMan® Vista™ gives you the advantage of three buttons, and MouseWare, which lets you use all the buttons to make computing more convenient.



MouseWare® for Your Trackball

The MouseWare software makes it simple to customize either your TrackMan Marble or TrackMan Vista for your needs. It's easy to personalize the cursor size, color, sensitivity, and other pointing device behaviors for your applications. Use the Trails and Tracker options to more conveniently follow and find your cursor in your favorite Windows software.

Assign drag lock to the second or third button. Just click the button once and drag without holding anything down. If you prefer, you can assign cut, paste, page up, or page down to one click of the middle or right button. It's simple. Just open the Mouse Control Center and select the commands you want to use.

The Smart Move™ feature lets you get more done without having to move your mouse. Pull down a menu, select a command, and Smart Move automatically places the cursor on the default button that you use most often. For example, if you select Print from the File menu, when the Print dialog box comes up, Smart Move has already placed the cursor on the OK button.

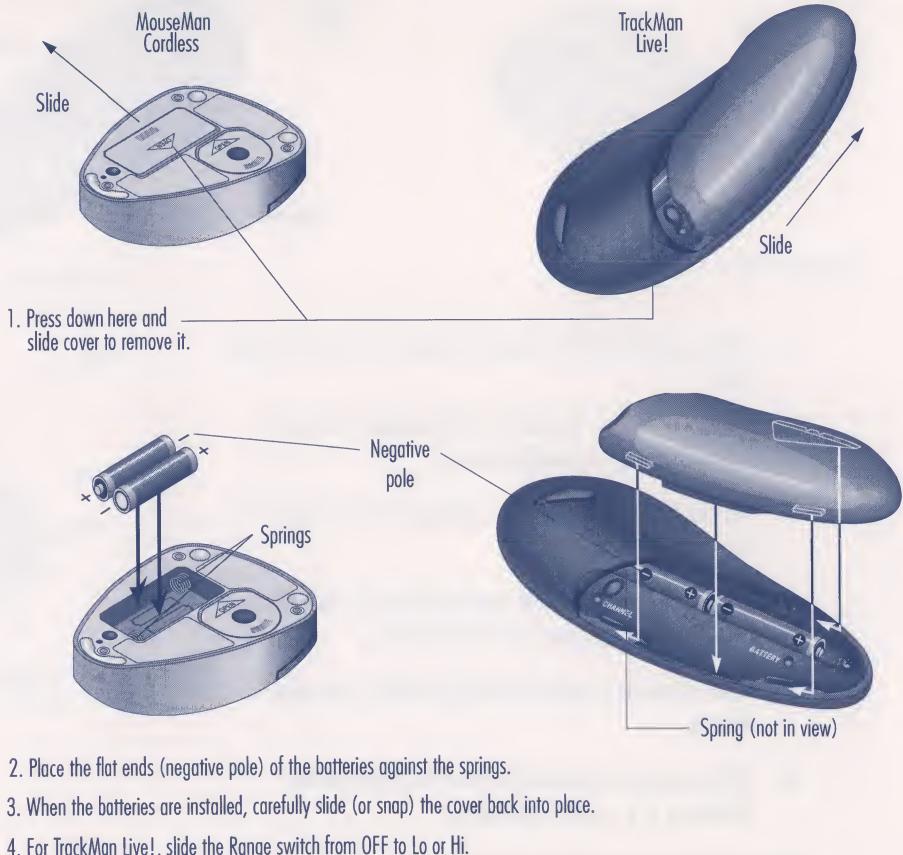
MouseMan® Cordless™ and TrackMan® Live!™

With no cord to tangle or catch on anything, MouseMan® Cordless™ is your first choice for both convenience and performance. Using radio technology, it sees through the objects on your desktop. With its comfortable shape, it gives you superior performance and ease of use.

TrackMan® Live!™ uses the same radio technology. You can even use both devices with the same radio receiver. Because there is no cord or infrared device, you can speak directly to your audience and move freely about the room without having to point at your computer. TrackMan Live has a comfortable shape, a well-placed trackball for cursor movement, and three different-sized buttons, which let you move forward or backward without disrupting your flow, even in the dark. These same features also make it easy for you to add last minute adjustments to your presentation.

With either pointing device, installation is a snap. Simply insert the batteries, connect the radio receiver to your computer, verify the channel, and your device is ready for use.

To insert the AAA batteries



To connect the radio receiver

1. **Turn off your computer, and connect the receiver to the computer's PS/2 type 6-pin mouse port or its 9-pin serial port.** If you are using a 9-pin adapter, connect the adapter to the computer port, tighten the thumb screws, and connect the cable to the adapter. Be sure to line up the arrows on both the cable and the adapter.
2. **For best reception, set the receiver on its side.** Turn on the computer.
3. **Move the cordless device for five seconds to establish contact with the receiver and to identify the channel being used.**

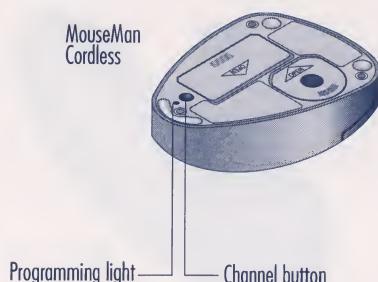


PS/2 6-pin mouse port

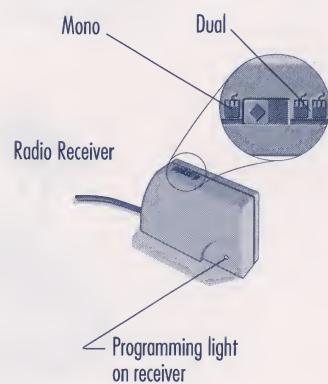


9-pin serial port

To verify then change the current channel



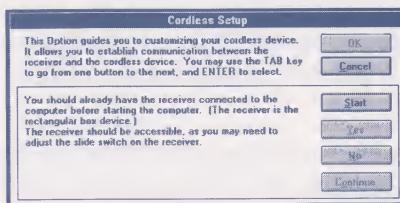
1. **Press and release the Channel button.** The Programming light blinks.
2. **Count the blinks.** The number of blinks indicates the current channel. There are four possible channels.
3. **Set the Mono/Dual switch to Mono.** The dual setting is for two cordless devices.
4. **Press and hold down the Channel button on the primary radio device—the one you installed first.**
5. **When receiver's programming light blinks, release the button.**
6. **If the receiver is connected to a PS/2 port under Windows 3.1, restart Windows.**



Note You change channels usually to avoid radio interference, and you can only change the channel of the primary radio device.

To Install or reconnect a second cordless device under Windows 3.1 (for Windows 95, see page 7)

1. **Display the Mouse Control Center, then click the Cordless button.** The Cordless Info dialog box is displayed.
2. **Click the Cordless Setup button.** The Cordless Setup dialog box is displayed.



3. **Click the Start button, then make sure the receiver is set to mono and click Continue.** Follow the on-screen instructions.
4. **When finished click OK, then update Windows.** To update Windows, you can either click the Add Mouse button on the Mouse Control Center or restart Windows.

To switch between devices under Windows 3.1 and Windows 95



Use the LogiToggle icon located on the Windows desktop to switch between two radio devices. To make a radio device active, use it to click the LogiToggle icon. The Preview box in the Mouse Control Center shows which device is active. Note that you can only change the settings in the Mouse Control Center of the active radio device.

Under Windows 95, use the Device page and select the active device.

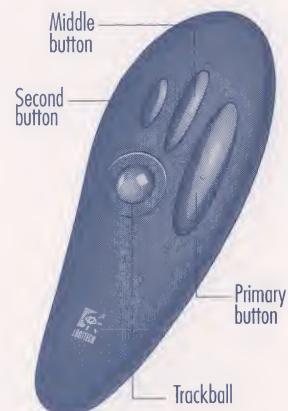
Using TrackMan® Live!™

TrackMan Live! is a hand-held, wireless (mobile) device designed to manage computer slide shows or multimedia presentations.

To use TrackMan Live!, you do not need to stand by the computer or point at the screen or receiver. During your presentation, you can use TrackMan Live! while walking around, or use it like a conventional Logitech mouse to make last minute changes to your documents by pointing at your computer screen.

You can hold TrackMan Live! in either the right or the left hand. You activate both the trackball and the buttons with your thumb.

Next Command. Presentation software usually assigns the advance (or next slide) command to the primary button.



Previous Command. Press the secondary (middle) button to go back to the previous slide or screen.

Drag Lock. Most presentation packages allow you to highlight items on the screen with the drag-lock function, which is assigned to the left (third) button.

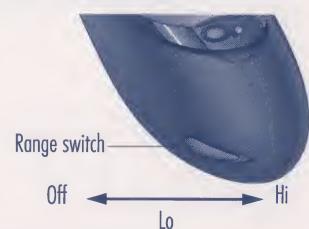
To use drag lock, click and release the left button to set lock mode, use the trackball to drag the cursor across the screen, then click the left button again to unlock.

Range Switch: Hi/Lo Options. Make sure that the Range switch is correctly set when making a presentation. The **Lo** setting allows you to work at a distance of up to 6 feet (2 meters) and the **Hi** setting up to 30 feet (10 meters).

Checking the Batteries. Turn the Range switch to OFF then back to either Hi or Lo. If the battery light remains lit on TrackMan Live! for a few seconds, the batteries are good for many hours of use.

If the battery light flashes, you have only a few hours of battery life remaining.

If there is no battery light, change the batteries immediately! With average use, the batteries should last between four and six months.



Using MouseMan Cordless and TrackMan Live! on Airplanes

Aviation regulations do not permit the use of radio devices on airplanes because such devices interfere with an aircraft's communications. This regulation applies to both MouseMan Cordless and TrackMan Live!

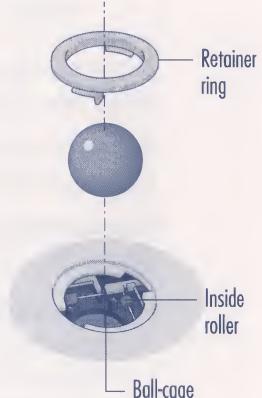
When traveling by air, do not use your cordless device and make sure that you have turned off the Range switch on TrackMan Live!

Maintaining Your Pointing Device

Your mouse or trackball is very durable and will provide years of use. It has a self-cleaning ball-cage that helps prevent dust and lint build-up around the ball. If the screen cursor skips or moves abnormally, we recommend that you clean your pointing device manually.

To clean your pointing device

1. Turn the retainer ring counter-clockwise to remove the ball.
2. Wipe the ball with a clean, lint-free cloth.
3. Blow carefully into the ball cage to dislodge dust and lint.
4. **(For Trackballs)** Look for a build-up of dirt on the rubber rollers inside the ball-cage. This build-up usually appears as a stripe running around the middle of the roller.
5. **(For Trackballs)** If dirty, clean the rollers using a cotton swab moistened lightly with isopropyl (rubbing) alcohol. After cleaning, make sure the rollers are still centered in their channels.
6. **(For Trackballs)** Make sure that fluff from the swab is not left on the rollers.
7. Replace the ball and retainer ring.



Product Support

If you have a problem with your mouse, call or write our Technical Support specialists. Include the following information in your letter or have it in front of you when you call:

Mouse type and model	MouseWare Utilities serial #	MouseWare driver version	DOS & Windows version
Hardware and peripherals	AUTOEXEC.BAT listing (DOS & Windows 3.1)	CONFIG.SYS listing	Resident programs

Logitech offers additional customer assistance through FaxBack™, electronic bulletin boards, product information, and a technical support hotline.

FaxBack. Provides information about Logitech products, available only in the United States, Canada, and Mexico. A touchtone telephone and a fax machine are required. The FaxBack number is **1-800-245-0000**.

Electronic Bulletin Boards. If you have a modem, you can communicate with Logitech Product Support on the following electronic bulletin boards:

- **Logitech Bulletin Board Service (LBBS).** Provides answers to commonly asked questions, offers updated drivers for most Logitech products, and allows you to leave specific questions that will be answered by a Logitech support technician. With a modem (set to 8 bits, 1 stop bit, and no parity) you can call the LBBS 24 hours a day, seven days a week. In the United States and Canada, call 1-510-795-0408. In the United Kingdom, call +44(0)1344 89 14 90. For the rest of Europe, call +41(0)21 869 98 17.
- **CompuServe.** Provides the latest Logitech Product Support information, answers questions, and offers updated software drivers to members. From the CompuServe system prompt, type GO LOGITECH and press Enter. If you have an INTERNET connection, type TECH_SUPPORT@LOGITECH.COM.
- **Product Support.** Provides technical help for your Logitech products. Refer to the next page for the address and telephone number of the Logitech Product Support office nearest you.

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